

FORM PTO-1449			Docket Number (Optional) BT/3-22349/A/PCT		Application Number 10/580,447		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)			Applicant STUART GREENHALGH ET AL.				
			Filing Date MAY 23, 2006		Group Art Unit		
U. S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
/S.M./	4,343,900	8/82	Watanabe et al.	54	127		
	6,162,624	12/00	Symes et al.	435	135		
	5,698,629	12/97	Seki et al.	524	827		
	2004/0048348	3/04	Murao et al.	435	170		
	2003/0148480	8/03	Dicosimo et al.	435	136		
	5,827,699	10/98	Yanenko et al.	435	129		
	2004/0048297	3/04	Murao et al.	435	170		
	6,361,981	3/02	Symes et al.	435	135		
	2004/0175810	9/04	Petersen et al.	435	128		
↓	5,089,411	2/92	Yamada et al.	435	244		
/S.M./	4,343,900	8/82	Watanabe	435	129		
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
/S.M./	03/033716	4/03	PCT/World	Abstract only	in English	Abst.	
	02/50297	6/02	PCT/World			U.S. =	
	97/21827	6/97	PCT/World			U.S. =	
↓	02/088371	11/02	PCT/World			U.S. =	
/S.M./	0 362 829	4/90	Europe			U.S. =	
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)							
/S.M./	English language abstract of WO 03/033716 from the esp@cenet.com web site printed on 7/24/06						
/S.M./	Maestracci et al.; Adv. Biochem. Eng. Biotechnol. Vol. 36: pp. 104-115(1988)						
/S.M./	Bengis-Garber et al.; Appl. Microbiol. Biotechnol. Vol. 32: pp. 11-16 (1989)						
EXAMINER /Sheridan Macauley/			DATE CONSIDERED 07/18/2007				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
/S.M./	97/06248	2/97	PCT/World			U.S. =	
/S.M./	1731814	5/92	Russia Explanation only in English				
/S.M./	0 307 926	3/89	Europe				
/S.M./	02/088373	11/02	PCT/World				
/S.M./	92/05205	4/92	PCT/World				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/S.M./	T. Nagasawa et al.; Pure & Appl. Chem. Vol. 67, No. 7, pp. 1241-1256 (1995)
/S.M./	A. Arnaud et al.; Agric. Biol. Chem. Vol. 41, (11), pp. 2183-2191 (1977) Abstract only in English
/S.M./	Y. Asano et al.; Agric. Biol. Chem. Vol. 46, (5), pp. 1183-1189 (1982)
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/S.M./	4,528,321	7/85	Allen et al.	524	761		
/S.M./	4,506,062	3/85	Flesher et al.	526	211		
/S.M./	4,599,379	7/86	Flesher et al.	524	801		
/S.M./	2005/0064564	3/05	Peterson et al.	435	129		
/S.M./	6,146,861	11/00	Armitage et al.	435	128		
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
/S.M./	2 062 625	5/81	Great Britain			U.S. =	
/S.M./	0 126 528	11/84	Europe			U.S. =	
/S.M./	0 102 760	3/84	Europe			U.S. =	
/S.M./	0 150 933	8/85	Europe			U.S. =	
/S.M./	02/088372	11/02	PCT/World			U.S. =	
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)							
/S.M./	T. Nagasawa et al.; Appl. Microbiol Biotechnol Vol. 34: pp. 322-324 (1990)						
/S.M./	H. Yamada et al.; Biosci. Biotech. Biochem. Vol. 60 (9), pp. 1391-1400 (1996)						
/S.M./	T. Leonova et al.; Applied Biochemistry and Biotechnology, Vol. 88, (2000), pp. 231-241						
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